

# Slope-Intercept Form

Grade: High School  
Subject: Algebra 1  
Date: December 1, 2009

Nov 30-10:05 AM

- 1 Find the slope of the line between the points  
(1, -1) (3, -5)

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- 2 Find the y-intercept of the line for the points  
(1, -1) (3, -5)

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- 3 Write the equation of the line given the points  
(1, -1) (3, -5)

- A  $y = 1/2x + 1$
- B  $y = 2x - 1$
- C  $y = x - 2$
- D  $y = -2x + 1$
- E  $y = 1/2x - 1$

Nov 30-10:22 AM

**Date:** 12/1/09

**Lesson Title:** 4.2 part 3

## **Objective**

To find the equation of a line in slope-intercept form given two points

### **IN**

1) Find the slope of the line between the points

$(1, -1)$   $(3, -5)$

2) Find the y-intercept of the line for the points

$(1, -1)$   $(3, -5)$

3) Write the equation of the line given the points

$(1, -1)$   $(3, -5)$

Aug 26-9:45 AM

1.a) Find the slope of the line between the points

$(1, -1)$   $(3, -5)$

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1.b) Find the y-intercept of the line for the points  
 $(1, -1)$   $(3, -5)$

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1.c) Write the equation of the line given the points  
 $(1, -1)$   $(3, -5)$

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2.a) Find the slope of the line between the points

$(-3, -1)$   $(5, 15)$

2.b) Find the y-intercept of the line for the points

$(-3, -1)$   $(5, 15)$

2.c) Write the equation of the line given the points

$(-3, -1)$   $(5, 15)$

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3.a) Find the slope of the line between the points

$(3, -20)$   $(6, 7)$

3.b) Find the y-intercept of the line for the points

$(3, -20)$   $(6, 7)$

3.c) Write the equation of the line given the points

$(3, -20)$   $(6, 7)$

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**Summary:** Explain how to calculate the slope and y-intercept when you know two points.

**OR**

I know how to write an equation for a line when I know two points, because I would ...

**Out:** Write the equation of the line given that these two points are on the line:

$(5,5)$   $(7,3)$

Aug 26-9:45 AM

Dec 1-8:36 AM